

RAW SEQUENCE LISTING

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Application Serial Number: 10/561,107
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PATENT APPLICATION: US/10/561,107

DATE: 02/01/2007
TIME: 12:18:39

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3 <110> APPLICANT: MOUILLAC, BERNARD
 4 SEN, TUHNADRI
 5 BANERES, JEAN-LOUIS
 7 <120> TITLE OF INVENTION: A METHOD OF PRODUCING A RECOMBINANT PROTEIN AND A
 8 PROTEIN PRODUCED BY THE METHOD
 10 <130> FILE REFERENCE: BDM-05-1792
 12 <140> CURRENT APPLICATION NUMBER: 10/561,107
 13 <141> CURRENT FILING DATE: 2005-12-15
 15 <150> PRIOR APPLICATION NUMBER: PCT/FR04/01538
 16 <151> PRIOR FILING DATE: 2004-06-18
 18 <150> PRIOR APPLICATION NUMBER: FR 0307411
 19 <151> PRIOR FILING DATE: 2003-06-19
 21 <160> NUMBER OF SEQ ID NOS: 16
 23 <170> SOFTWARE: PatentIn Ver. 3.3
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 288
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Homo sapiens
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 34 Tyr Pro Glu Tyr Leu Ile Asn Leu Val Gln Gly Gln Leu Gln Thr Arg
 35 20 25 30
 37 Gln Ala Ser Ser Ile Tyr Asp Asp Ser Tyr Leu Gly Tyr Ser Val Ala
 38 35 40 45
 40 Val Gly Glu Phe Ser Gly Asp Asp Thr Glu Asp Phe Val Ala Gly Val
 41 50 55 60
 43 Pro Lys Gly Asn Leu Thr Tyr Gly Tyr Val Thr Ile Leu Asn Gly Ser
 44 65 70 75 80
 46 Asp Ile Arg Ser Leu Tyr Asn Phe Ser Gly Glu Gln Met Ala Ser Tyr
 47 85 90 95
 49 Phe Gly Tyr Ala Val Ala Ala Thr Asp Val Asn Gly Asp Gly Leu Asp
 50 100 105 110
 52 Asp Leu Leu Val Gly Ala Pro Leu Leu Met Asp Arg Thr Pro Asp Gly
 53 115 120 125
 55 Arg Pro Gln Glu Val Gly Arg Val Tyr Val Tyr Leu Gln His Pro Ala
 56 130 135 140
 58 Gly Ile Glu Pro Thr Pro Thr Leu Thr Leu Thr Gly His Asp Glu Phe
 59 145 150 155 160
 61 Gly Arg Phe Gly Ser Ser Leu Thr Pro Leu Gly Asp Leu Asp Gln Asp
 62 165 170 175
 64 Gly Tyr Asn Asp Val Ala Ile Gly Ala Pro Phe Gly Gly Glu Thr Gln
 65 180 185 190

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67 Gln Gly Val Val Phe Val Phe Pro Gly Gly Pro Gly Gly Leu Gly Ser
68 195 200 205
70 Lys Pro Ser Gln Val Leu Gln Pro Leu Trp Ala Ala Ser His Thr Pro
71 210 215 220
73 Asp Phe Phe Gly Ser Ala Leu Arg Gly Gly Arg Asp Leu Asp Gly Asn
74 225 230 235 240
76 Gly Tyr Pro Asp Leu Ile Val Gly Ser Phe Gly Val Asp Lys Ala Val
77 245 250 255
79 Val Tyr Arg Gly Arg Pro Ile Val Ser Ala Ser Ala Ser Leu Thr Ile
80 260 265 270
82 Phe Pro Ala Met Phe Asn Pro Glu Glu Arg Ser Cys Ser Leu Glu Gly
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87 <211> LENGTH: 286
88 <212> TYPE: PRT
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95 Asp Pro Asn Val Tyr Ser Ile Lys Tyr Asn Asn Gln Leu Ala Thr Arg
96 20 25 30
98 Thr Ala Gln Ala Ile Phe Asp Asp Ser Tyr Leu Gly Tyr Ser Val Ala
99 35 40 45
101 Val Gly Asp Phe Asn Gly Asp Gly Ile Asp Asp Phe Val Ser Gly Val
102 50 55 60
104 Pro Arg Ala Ala Arg Thr Leu Gly Met Val Tyr Ile Tyr Asp Gly Lys
105 65 70 75 80
107 Asn Met Ser Ser Leu Tyr Asn Phe Thr Gly Glu Gln Met Ala Ala Tyr
108 85 90 95
110 Phe Gly Phe Ser Val Ala Ala Thr Asp Ile Asn Gly Asp Asp Tyr Ala
111 100 105 110
113 Asp Val Phe Ile Gly Ala Pro Leu Phe Met Asp Arg Gly Ser Asp Gly
114 115 120 125
116 Lys Leu Gln Glu Val Gly Gln Val Ser Val Ser Leu Gln Arg Ala Ser
117 130 135 140
119 Gly Asp Phe Gln Thr Thr Lys Leu Asn Gly Phe Glu Val Phe Ala Arg
120 145 150 155 160
122 Phe Gly Ser Ala Ile Ala Pro Leu Gly Asp Leu Asp Gln Asp Gly Phe
123 165 170 175
125 Asn Asp Ile Ala Ile Ala Ala Pro Tyr Gly Gly Glu Asp Lys Lys Gly
126 180 185 190
128 Ile Val Tyr Ile Phe Asn Gly Arg Ser Thr Gly Leu Asn Ala Val Pro
129 195 200 205
131 Ser Gln Ile Leu Glu Gly Gln Trp Ala Ala Arg Ser Met Pro Pro Ser
132 210 215 220
134 Phe Gly Tyr Ser Met Lys Gly Ala Thr Asp Ile Asp Lys Asn Gly Tyr
135 225 230 235 240
137 Pro Asp Leu Ile Val Gly Ala Phe Gly Val Asp Arg Ala Ile Leu Tyr
138 245 250 255

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140 Arg Ala Arg Pro Val Ile Thr Val Asn Ala Gly Leu Glu Val Tyr Pro
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143 Ser Ile Leu Asn Gln Asp Asn Lys Thr Cys Ser Leu Pro Gly
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156 Arg Pro Gly Ile Leu Leu Trp His Val Ser Ser Gln Ser Leu Ser Phe
157 20 25 30
159 Asp Ser Ser Asn Pro Glu Tyr Phe Asp Gly Tyr Trp Gly Tyr Ser Val
160 35 40 45
162 Ala Val Gly Glu Phe Asp Gly Asp Leu Asn Thr Thr Glu Tyr Val Val
163 50 55 60
165 Gly Ala Pro Thr Trp Ser Trp Thr Leu Gly Ala Val Glu Ile Leu Asp
166 65 70 75 80
168 Ser Tyr Tyr Gln Arg Leu His Arg Leu Arg Ala Glu Gln Met Ala Ser
169 85 90 95
171 Tyr Phe Gly His Ser Val Ala Val Thr Asp Val Asn Gly Asp Gly Arg
172 100 105 110
174 His Asp Leu Leu Val Gly Ala Pro Leu Tyr Met Glu Ser Arg Ala Asp
175 115 120 125
177 Arg Lys Leu Ala Glu Val Gly Arg Val Tyr Leu Phe Leu Gln Pro Arg
178 130 135 140
180 Gly Pro His Ala Leu Gly Ala Pro Ser Leu Leu Leu Thr Gly Thr Gln
181 145 150 155 160
183 Leu Tyr Gly Arg Phe Gly Ser Ala Ile Ala Pro Leu Gly Asp Leu Asp
184 165 170 175
186 Arg Asp Gly Tyr Asn Asp Ile Ala Val Ala Ala Pro Tyr Gly Gly Pro
187 180 185 190
189 Ser Gly Arg Gly Gln Val Leu Val Phe Leu Gly Gln Ser Glu Gly Leu
190 195 200 205
192 Arg Ser Arg Pro Ser Gln Val Leu Asp Ser Pro Phe Pro Thr Gly Ser
193 210 215 220
195 Ala Phe Gly Phe Ser Leu Arg Gly Ala Val Asp Ile Asp Asp Asn Gly
196 225 230 235 240
198 Tyr Pro Asp Leu Ile Val Gly Ala Tyr Gly Ala Asn Gln Val Ala Val
199 245 250 255
201 Tyr Arg Ala Gln Pro Val Val Lys Ala Ser Val Gln Leu Leu Val Gln
202 260 265 270
204 Asp Ser Leu Asn Pro Ala Val Lys Ser Cys Val Leu Pro Gln
205 275 280 285
208 <210> SEQ ID NO: 4
209 <211> LENGTH: 864
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens

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213 <400> SEQUENCE: 4
214 atgggccaga tcctgtctgc cactcaggag cagattgcag aatcttatta ccccgagtag 60
215 ctgtatcaacc tggttcaggg gcagctgcag actcgccagg ccagttccat ctatgtatgac 120
216 agctacctag gatactctgt ggctgttggta gaattcagt gtgatgacac agaagacttt 180
217 gttgctgggt tgcccaaagg gaacctcaact tacggctatg tcaccatctt taatggctca 240
218 gacattcgat ccctctacaa cttctcaggag gaacagatgg cctcctactt tggctatgca 300
219 gtggccgcca cagacgtcaa tggggacggg ctggatgact tgctgggtgg ggcacccctg 360
220 ctcatggatc ggaccctga cggggcggcct caggaggtgg gcagggtcta cgctctacctg 420
221 cagcacccag cccgcataaga gcccacgccc acccttaccc tcactggcca tgatgagttt 480
222 ggccgatttg gcagctcctt gaccccccctg ggggacctgg accaggatgg ctacaatgat 540
223 gtggccatcg gggctccctt tgggtggggag acccagcagg gtagtagtgg tggatattct 600
224 gggggcccaag gagggtctgg ctctaaggct tccaggttc tgccagccct gtggccagcc 660
225 agccacaccc cagacttctt tggctctgca cttcgaggag gcccagaccc ggtatggcaat 720
226 ggatatcctg atctgattgt ggggtccctt ggtgtggaca aggctgtggat atacaggggc 780
227 cgcccccattcg tgtccgctag tgcctccctc accatcttcc cgcgcattttt caacccagag 840
228 gagcggagct gcagcttaga gggg 864
231 <210> SEQ ID NO: 5
232 <211> LENGTH: 858
233 <212> TYPE: DNA
234 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 5
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238 tacagcatca agtataataa ccaattagca actcgactg cacaagctat ttttgcac 120
239 agctatttgg gttattctgt ggctgtcgaa gattcaatg gtgatggcat agatgacttt 180
240 gtttcaggag ttccaaagagc agcaaggact ttggaaatgg ttatattttt tgatggaaag 240
241 aacatgtcct ctttatacaa ttttactggc gagcagatgg ctgcattttt cggattttct 300
242 gtagctgcca ctgacattaa tggagatgat tatcgatg tttttatgg agcacctctc 360
243 ttcatggatc gtggctctga tggcaaaactc caagaggtgg ggcagggttc agtgtctcta 420
244 cagagagctt caggagactt ccagacgaca aagctgaatg gatttgaggt cttgcacgg 480
245 ttggcagtg ccatacgctcc tttgggagat ctggaccagg atggtttcaa tgatattgca 540
246 attgctgctc catatgggg tgaagataaa aaagaattt tttatattttt caatggaaaga 600
247 tcaacaggct tgaacgcagt cccatctcaa atccttgaag ggcagtggc tgctcgaagc 660
248 atgccaccaa gctttggcta tcaatgaaa ggagccacag atatagacaa aaatggat 720
249 ccagacttaa ttgttaggagc ttttgggtgtt gatcgacta tcttatacag ggccagacca 780
250 gttatcactg taaatgctgg tcttgaatgt taccctagca ttttaatca agacaataaa 840
251 acctgctcac tgcctgga 858
254 <210> SEQ ID NO: 6
255 <211> LENGTH: 858
256 <212> TYPE: DNA
257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 6
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261 ctttgtggc acgtgtctc ccagagcctc tccttgcact ccagcaaccc agagtacttc 120
262 gacggctact ggggtactc ggtggccgtg ggcgagttcg acggggatct caacactaca 180
263 gaatatgtcg tcgggtcccc cacttggagc tggaccctgg gagcgggtgg aatttggat 240
264 tcctactacc agaggctgca tcggctgcgc gcagagcaga tggcgtcgta ttttggcat 300
265 tcagtggctg tcactgacgt caacggggat gggaggcatg atctgctggt gggcgctcca 360
266 ctgtatatgg agagccgggc agaccgaaaa ctggccgaag tggggcgtgt gtatttggtc 420
267 ctgcagccgc gaggccccca cgcgtgggt gcccagcc tcctgctgac tggcacacag 480

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268 ctctatgggc gattcggctc tgccatcgca cccctggcg acctcgaccg ggatggctac 540
269 aatgacattg cagtggctgc cccctacggg ggtcccagtg gccggggcca agtgctggtg 600
270 ttccctggtc aagagtgggg gctgagggtca cgtccctccc aggtcctgga cagccccctc 660
271 cccacaggct ctgccttgg cttctccctt cgaggtggcg tagacatcgta tgacaacgg 720
272 tacccagacc tgatcgtggg agcttacggg gccaaccagg tggctgtgtc cagagctcag 780
273 ccagtggtga aggccctctgt ccagctactg gtgcaagatt cactgaatcc tgctgtgaag 840
274 agctgtgtcc tacctcag 858
277 <210> SEQ ID NO: 7
278 <211> LENGTH: 33
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
284 nucleotide sequence
286 <400> SEQUENCE: 7
287 gacccgggtg gtgggtgtgg tgggtgggt ggt 33
290 <210> SEQ ID NO: 8
291 <211> LENGTH: 10
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
297 peptide
299 <400> SEQUENCE: 8
300 Asp Pro Gly Gly Gly Gly Gly Gly
301 1 5 10
304 <210> SEQ ID NO: 9
305 <211> LENGTH: 4
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
311 peptide
313 <400> SEQUENCE: 9
314 Ile Glu Gly Arg
315 1
318 <210> SEQ ID NO: 10
319 <211> LENGTH: 4
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
325 peptide
327 <400> SEQUENCE: 10
328 Leu Val Pro Arg
329 1
332 <210> SEQ ID NO: 11
333 <211> LENGTH: 6
334 <212> TYPE: PRT

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/561,107

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